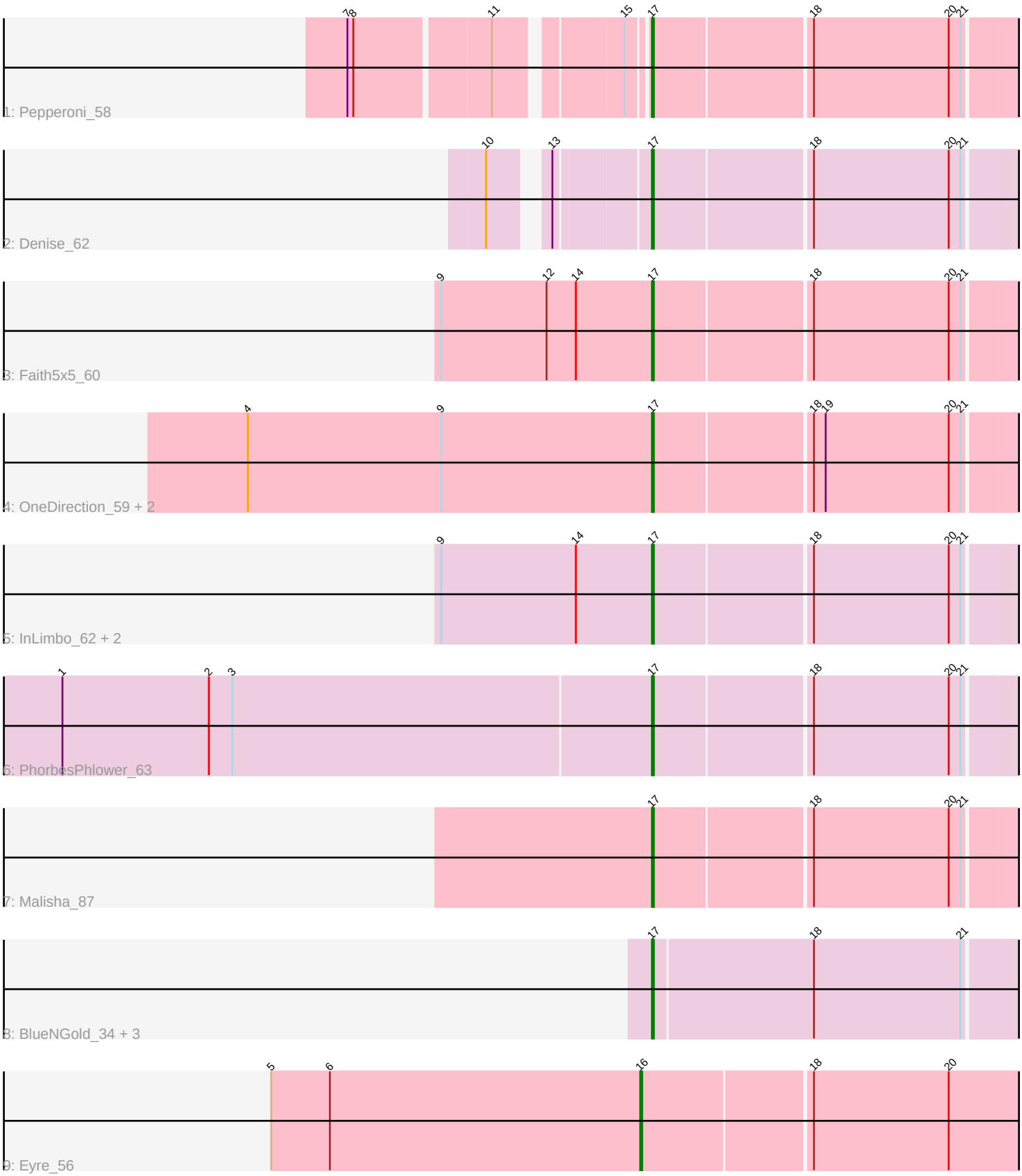
Pham 337220


1: Pepperoni_58
2: Denise_62
3: Faith5x5_60
4: OneDirection_59 + 2
5: InLimbo_62 + 2
6: PhorbesPhlower_63
7: Malisha_87
8: BlueNGold_34 + 3
9: Eyre_56

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 337220 Report

This analysis was run 11/14/26 on database version 672.

Pham number 337220 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Pepperoni_58
• Track 2 : Denise_62
• Track 3 : Faith5x5_60
• Track 4 : OneDirection_59, Lucky10_62, Lton_62
• Track 5 : InLimbo_62, Morkie_65, Moosehead_66
• Track 6 : PhorbesPhlower_63
• Track 7 : Malisha_87
• Track 8 : BlueNGold_34, Mareelih_34, Boopy_36, Forza_35
• Track 9 : Eyre_56

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 17, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueNGold_34, Boopy_36, Denise_62, Faith5x5_60, Forza_35, InLimbo_62, Lton_62, Lucky10_62, Malisha_87, Mareelih_34, Moosehead_66, Morkie_65, OneDirection_59, Pepperoni_58, PhorbesPhlower_63,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Eyre_56,

Summary by start number:

Start 16:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eyre_56 (singleton),

Start 17:
• Found in 15 of 16 (93.8%) of genes in pham
• Manual Annotations of this start: 14 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueNGold_34 (DS), Boopy_36 (DS), Denise_62 (CZ5), Faith5x5_60 (CZ6), Forza_35 (DS), InLimbo_62 (DH), Lton_62 (CZ), Lucky10_62 (DH), Malisha_87 (DN), Mareelih_34 (DS), Moosehead_66 (CZ6), Morkie_65 (DH), OneDirection_59 (CZ6), Pepperoni_58 (CZ), PhorbesPhlower_63 (DH),

Summary by clusters:

There are 7 clusters represented in this pham: DN, singleton, DH, CZ6, CZ5, CZ, DS,

Info for manual annotations of cluster CZ:
•Start number 17 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ5:
•Start number 17 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 17 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster DH:
•Start number 17 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DN:
•Start number 17 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DS:
•Start number 17 was manually annotated 4 times for cluster DS.

Gene Information:

Gene: BlueNGold_34 Start: 12004, Stop: 11792, Start Num: 17
Candidate Starts for BlueNGold_34:
(Start: 17 @12004 has 14 MA's), (18, 11923), (21, 11848),

Gene: Boopy_36 Start: 12016, Stop: 11804, Start Num: 17
Candidate Starts for Boopy_36:
(Start: 17 @12016 has 14 MA's), (18, 11935), (21, 11860),

Gene: Denise_62 Start: 38064, Stop: 38264, Start Num: 17
Candidate Starts for Denise_62:
(10, 37998), (13, 38019), (Start: 17 @38064 has 14 MA's), (18, 38142), (20, 38211), (21, 38217),

Gene: Eyre_56 Start: 36826, Stop: 37053, Start Num: 16
Candidate Starts for Eyre_56:
(5, 36637), (6, 36667), (Start: 16 @36826 has 1 MA's), (18, 36910), (20, 36979),

Gene: Faith5x5_60 Start: 36501, Stop: 36701, Start Num: 17

Candidate Starts for Faith5x5_60:
(9, 36393), (12, 36447), (14, 36462), (Start: 17 @36501 has 14 MA's), (18, 36579), (20, 36648), (21, 36654),

Gene: Forza_35 Start: 11932, Stop: 11720, Start Num: 17
Candidate Starts for Forza_35:
(Start: 17 @11932 has 14 MA's), (18, 11851), (21, 11776),

Gene: InLimbo_62 Start: 37579, Stop: 37776, Start Num: 17
Candidate Starts for InLimbo_62:
(9, 37471), (14, 37540), (Start: 17 @37579 has 14 MA's), (18, 37657), (20, 37726), (21, 37732),

Gene: Lton_62 Start: 36905, Stop: 37102, Start Num: 17
Candidate Starts for Lton_62:
(4, 36698), (9, 36797), (Start: 17 @36905 has 14 MA's), (18, 36983), (19, 36989), (20, 37052), (21, 37058),

Gene: Lucky10_62 Start: 39494, Stop: 39694, Start Num: 17
Candidate Starts for Lucky10_62:
(4, 39287), (9, 39386), (Start: 17 @39494 has 14 MA's), (18, 39572), (19, 39578), (20, 39641), (21, 39647),

Gene: Malisha_87 Start: 51224, Stop: 51424, Start Num: 17
Candidate Starts for Malisha_87:
(Start: 17 @51224 has 14 MA's), (18, 51302), (20, 51371), (21, 51377),

Gene: Mareelih_34 Start: 11461, Stop: 11249, Start Num: 17
Candidate Starts for Mareelih_34:
(Start: 17 @11461 has 14 MA's), (18, 11380), (21, 11305),

Gene: Moosehead_66 Start: 38078, Stop: 38278, Start Num: 17
Candidate Starts for Moosehead_66:
(9, 37970), (14, 38039), (Start: 17 @38078 has 14 MA's), (18, 38156), (20, 38225), (21, 38231),

Gene: Morkie_65 Start: 38053, Stop: 38250, Start Num: 17
Candidate Starts for Morkie_65:
(9, 37945), (14, 38014), (Start: 17 @38053 has 14 MA's), (18, 38131), (20, 38200), (21, 38206),

Gene: OneDirection_59 Start: 35467, Stop: 35664, Start Num: 17
Candidate Starts for OneDirection_59:
(4, 35260), (9, 35359), (Start: 17 @35467 has 14 MA's), (18, 35545), (19, 35551), (20, 35614), (21, 35620),

Gene: Pepperoni_58 Start: 36513, Stop: 36713, Start Num: 17
Candidate Starts for Pepperoni_58:
(7, 36378), (8, 36381), (11, 36447), (15, 36504), (Start: 17 @36513 has 14 MA's), (18, 36591), (20, 36660), (21, 36666),

Gene: PhorbesPhlower_63 Start: 37457, Stop: 37654, Start Num: 17
Candidate Starts for PhorbesPhlower_63:
(1, 37157), (2, 37232), (3, 37244), (Start: 17 @37457 has 14 MA's), (18, 37535), (20, 37604), (21, 37610),